

302.1 - Microindentation Hardness (block form)

These SRMs are for use in calibrating and checking the performance of microhardness testers and may be used in conjunction with [ASTM E 384](#). SRMs 1893 through 1907 are 1.25 cm × 1.25 cm (SRM 2798 is 1.35 cm × 1.35 cm) and were made by electroforming the test metal on AISI 1010 steel substrate. SRMs 2830 and 2831 are intended to meet the needs of the structural, electronic and biomedical ceramics communities.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	1893	1894a	1895	1896b	1905	1906	1907	1908	1909	2798a	2828
Description	Copper Microhardness Test Block (Knoop)	Vickers Microhardness of Copper	Nickel Microhardness Test Block (Knoop)	Vickers Microhardness of Nickel	Nickel Microhardness Test Block (Knoop)	Nickel Microhardness Test Block (Knoop)	Nickel Microhardness Test Block (Knoop)	Vickers Microhardness of Nickel	Vickers Microhardness of Nickel	Vickers Microhardness of Nickel	Knoop Microhardness of Steel
Unit of Issue	(each)	(each)	(each)	(each)	(each)	(each)	(each)	(each)	(each)	(each)	(each)
Hardness, nominal (kgf/mm ²)	125	125	600	600	600	600	600	600	600	600	800
Load (Newtons)	0.245, 0.490, 0.981	0.245, 0.490, 0.981	0.245, 0.490, 0.981	0.245, 0.490, 0.981	2.943	4.905	9.81	2.943	9.81	4.905	4.90

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

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2829	2830	2831
Vickers Microhardness of Steel	Knoop Hardness of Ceramics	Vickers Hardness of Ceramics and Hardmetals
(each)	(each)	(each)
800	1500	1530
4.90	19.6	9.8

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